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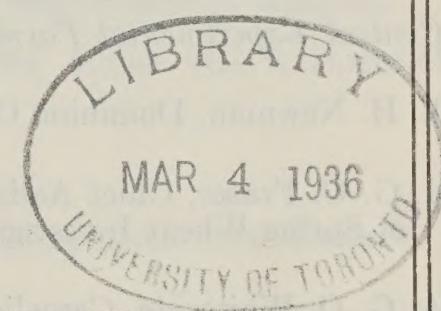
# Spring and Winter Wheat Varieties for Ontario

Issued jointly by

CEREAL DIVISION

THE CENTRAL EXPERIMENTAL FARM, OTTAWA, ONTARIO

THE ONTARIO AGRICULTURAL COLLEGE, GUELPH, ONTARIO



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THE EXPERIMENTAL FARMS BRANCH  
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# Recommended Varieties of Wheat for Ontario

Since their establishment many years ago, the Central Experimental Farm at Ottawa and its Branch Stations at Kapuskasing and Harrow in Ontario and the Ontario Agricultural College at Guelph, have conducted critical field tests of a large number of varieties of both spring and autumn sown wheat. On the basis of these tests, supplemented as they have been by local tests throughout the country conducted chiefly by members of the Ontario Experimental Union, the following varieties for different sections are recommended\* :—

## Northern Ontario

(The territory north of line running east and west through North Bay)  
SPRING WHEAT—Garnet Ottawa 652, Reward Ottawa 928.

## Western Ontario

(Approximately all the area south of the "Northern Ontario" zone and west of a line running north from Toronto)

SPRING WHEAT—Marquis Ottawa 15, Garnet Ottawa 652, Goose or Mindum.

WINTER WHEAT—Dawson's Golden Chaff, O.A.C. 104, Junior No. 6, Imperial Amber, Egyptian Amber and Nigger.

## Eastern Ontario

(Approximately all the territory east of a line running north from Toronto to the Ottawa River)

SPRING WHEAT—Huron Ottawa 3, Marquis Ottawa 15, Reward Ottawa 928, Garnet Ottawa 652, Goose or Mindum.

WINTER WHEAT—Dawson's Golden Chaff, Kharkov 22 M.C.

## DESCRIPTIONS OF RECOMMENDED VARIETIES

### Spring Wheat

MARQUIS OTTAWA 15—Head bald; chaff white and smooth; straw strong; grain red and hard. This variety was produced at the Central Experimental Farm, Ottawa, Ont., from a cross between Red Fife and Hard Red Calcutta.

Being a spring variety, Marquis is grown chiefly in the eastern sections of the province, where it competes in popularity with Huron. In the more northern sections, however, it is rapidly being replaced by such early varieties as Garnet and Reward.

GARNET OTTAWA 652—Head bald; chaff white and smooth; kernels red and of medium size; straw fine but comparatively strong. This variety was produced at the Central Experimental Farm, Ottawa, from a cross between

\* In this pamphlet, no attempt has been made to present fine distinctions between varieties, these being available elsewhere.

Preston and Riga. It is a very early ripening variety, maturing as it does from seven to fourteen days ahead of Marquis, which variety it out-yields at Ottawa. Garnet usually produces a very hard flinty kernel and therefore requires a longer conditioning period than the latter variety prior to milling. The flour differs somewhat from Marquis, being more creamy in colour and usually not quite so strong.

**HURON OTTAWA 3**—Head bearded; chaff red and smooth; kernels dark red, long and usually quite hard; straw strong and of medium length. Huron was produced at the Central Experimental Farm, Ottawa, from a cross between Red Fife and Ladoga. It matures with Marquis and, at Ottawa, competes with Garnet from the standpoint of yield.

**MINDUM**—A durum variety; heads dense and strongly bearded; chaff smooth and yellow; grain large, hard and amber in colour; awns quite long; straw usually long and relatively weak. Mindum yields well under favourable conditions and is one of the best varieties obtainable for the macaroni trade. It has some rust resistance and will withstand dry seasons relatively well.

**GOOSE**—This name has been applied rather loosely to durum wheats in general although it is identical with the Arnautka variety. It is very similar to Mindum in all important particulars.

**KUBANKA OTTAWA 37**—This was obtained as a selection out of the original Kubanka No. 5639 introduced from Russia many years ago. It is very similar to Goose and Mindum.

**REWARD OTTAWA 928**—Head bald; chaff white and finely pubescent (downy); straw strong; grain dark red, usually heavy and hard. This variety was produced at the Central Experimental Farm, Ottawa, from a cross made in 1912 between Marquis and Prelude. It ripens between Marquis and Garnet and is our heaviest and most attractive variety at present. Unfortunately, it yields less than either of the above varieties. In baking quality, it ranks with Marquis and even excels this variety in ability to maintain its colour under conditions which favour starchy kernels. This variety, in addition to its good agronomic qualities, has been a consistent Seed Show winner, producing as it does an excellent sample even under Eastern conditions.

### **Winter Wheat Varieties in Ontario**

The growing of winter wheat in Ontario is confined very largely to the southwestern sections of the province. Most of the winter wheat grown in this section belongs to the class of White Winter, the chief variety being Dawson's Golden Chaff.

From a trade standpoint, the growing of as few varieties as possible is very desirable, since it offers the market a more uniform product than if many varieties of unlike qualities and types were grown. In a recent survey, it was noted that in certain counties most of the winter wheat that is marketed grades either red winter or red and white winter mixed. The percentage of these cars is large.

Certain customers prefer red varieties for special purposes, which is the chief justification for the production of such varieties in the province. It is strongly urged, however, that the growing of these red varieties be localized as far as possible.

### **Winter Wheat—White Wheat Varieties**

**DAWSON'S GOLDEN CHAFF**—Head bald; chaff smooth and red; tip awns few and of medium length; grain white and usually soft or starchy in appearance; straw yellow and very strong. This variety originated from a single plant selected by Robert Dawson, of Paris, Ontario, in 1881, in a field of Clawson winter wheat which was badly lodged. It was early recognized by the Ontario Agricultural College as an outstanding variety from tests conducted at the college and in co-operative experiments. It is hardy, highly productive, and highly recommended for practically all sections of the province where winter wheat is grown. It is susceptible, however, to stinking smut or bunt and should be treated periodically when used for seed.

The high reputation which Ontario pastry flour has come to enjoy is undoubtedly due very largely to the extent to which this variety is now grown in the province.

**O.A.C. 104**—Head bald; chaff white and smooth; tip awns of medium length; grain white and usually soft but inclined to be more vitreous in appearance than Dawson's; straw yellow, long and medium strong to strong. This variety is the result of a cross between Dawson's Golden Chaff and Bulgarian made by the Ontario Agricultural College. It is second only to Dawson's Golden Chaff in importance in Ontario.

**JUNIOR No. 6**—("Gold Coin")—Head bald and inclined to be broad at the tip; straw purple; chaff red; grain white and soft in texture. This variety came from New York state, its exact origin being rather uncertain. It is a good yielder and is favoured by some growers in Western Ontario. It is also well liked by mills catering to a special soft wheat flour trade.

### **Winter Wheat—Red Varieties**

**IMPERIAL AMBER**.—Head bearded, large, middense with smooth red chaff; straw medium long, medium strong and yellow with a faint purple tinge. Flour usually not the best quality for pastry purposes. This variety is winter hardy and a good yielder, but is not grown very extensively.

**EGYPTIAN AMBER**.—Head bearded; chaff white and smooth; straw of medium strength with a purplish tinge; grain red and usually soft or starchy in texture; winter hardy and a good yielder. This variety is grown to a limited extent in Essex and Kent counties.

**NIGGER**—("Winter King")—This variety is very similar in all essential particulars to Egyptian Amber. It is grown chiefly in the counties bordering lake Erie and lake Huron.

**KHARKOV 22 M.C.**—A selection made by Macdonald College in 1912 from the old variety Kharkov. Head bearded and usually small and tapering; chaff white; straw medium strong; grain medium size, red and usually hard.

Kharkov 22 M.C. is not recommended for Ontario except for certain locations in the eastern part of the province where it has been doing fairly well.





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